

Title (en)

Crystalline aluminophosphates and related compounds.

Title (de)

Kristalline Aluminophosphate und verwandte Verbindungen.

Title (fr)

Aluminophosphates cristallins et composés apparentés.

Publication

EP 0380825 A2 19900808 (EN)

Application

EP 89203341 A 19891228

Priority

GB 8902083 A 19890131

Abstract (en)

Crystalline aluminophosphates and related compounds having in the as-synthesized anhydrous form the chemical composition: $mR(X_nAl_qP_x)_2$, wherein R represents ethylenediamine, X represents one or more elements which can be substituted for Al and/or P, wherein $m = 0.01-0.33$, $n = 0-0.50$, $q = 0.30-0.60$, $x = 0.30-0.60$ and wherein $n + q + x = 1$, and having an X-ray diffraction pattern containing at least the following lines:
<IMAGE> The compounds can be prepared from a forming solution or gel comprising a source of aluminium, a source of phosphorus, a source of ethylenediamine and optionally a source of at least one component X, which mixture is kept at elevated temperature for a period of time sufficient to produce a crystalline aluminophosphate or related compound followed by separating off the crystalline product obtained and drying, and which may subsequently be calcined.

IPC 1-7

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IPC 8 full level

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Cited by

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